

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/823,253A
Source: 1FW16
Date Processed by STIC: 3/6/07

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 03/06/2007

PATENT APPLICATION: US/10/823,253A

TIME: 16:39:44

Input Set : E:\SEQLIST 10271-112-999 (subs).TXT

Output Set: N:\CRF4\03062007\J823253A.raw

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4 <110> APPLICANT: Reed, Jennifer Lynne
6 <120> TITLE OF INVENTION: RECOMBINANT IL-9 ANTIBODIES AND USES
7   THEREOF
9 <130> FILE REFERENCE: 10271-112-999
11 <140> CURRENT APPLICATION NUMBER: 10/823,253A
12 <141> CURRENT FILING DATE: 2004-04-12
14 <150> PRIOR APPLICATION NUMBER: 60/477,797
15 <151> PRIOR FILING DATE: 2003-06-10
17 <150> PRIOR APPLICATION NUMBER: 60/462,259
18 <151> PRIOR FILING DATE: 2003-04-11
20 <160> NUMBER OF SEQ ID NOS: 65
22 <170> SOFTWARE: FastSEQ for Windows Version 4.0
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 10
26 <212> TYPE: PRT
27 <213> ORGANISM: Artificial sequence
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30 <223> OTHER INFORMATION: VH CDR1
32 <400> SEQUENCE: 1
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34 1           5           10
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 17
39 <212> TYPE: PRT
40 <213> ORGANISM: Artificial Sequence
42 <220> FEATURE:
43 <223> OTHER INFORMATION: VH CDR2
45 <400> SEQUENCE: 2
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52 <210> SEQ ID NO: 3
53 <211> LENGTH: 13
54 <212> TYPE: PRT
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: VH CDR3
60 <400> SEQUENCE: 3
61 Ala Asp Tyr Tyr Gly Ser Asp Tyr Val Lys Phe Asp Tyr
62 1           5           10
65 <210> SEQ ID NO: 4
66 <211> LENGTH: 11
67 <212> TYPE: PRT

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68 <213> ORGANISM: Artificial Sequence
70 <220> FEATURE:
71 <223> OTHER INFORMATION: VL CDR1
73 <400> SEQUENCE: 4
74 Lys Ala Ser Gln His Val Gly Thr His Val Thr
75 1 5 10
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 7
80 <212> TYPE: PRT
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: VL CDR2
86 <400> SEQUENCE: 5
87 Ser Thr Ser Tyr Arg Tyr Ser
88 1 5
91 <210> SEQ ID NO: 6
92 <211> LENGTH: 9
93 <212> TYPE: PRT
94 <213> ORGANISM: Artificial Sequence
96 <220> FEATURE:
97 <223> OTHER INFORMATION: VL CDR3
99 <400> SEQUENCE: 6
100 Gln His Phe Tyr Ser Tyr Pro Leu Thr
101 1 5
104 <210> SEQ ID NO: 7
105 <211> LENGTH: 122
106 <212> TYPE: PRT
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: VH domain of antibody 4D4
112 <400> SEQUENCE: 7
113 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
114 1 5 10 15
115 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
116 20 25 30
117 Trp Ile Glu Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
118 35 40 45
119 Gly Glu Ile Leu Pro Gly Ser Gly Thr Thr Asn Tyr Asn Glu Lys Phe
120 50 55 60
121 Lys Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
122 65 70 75 80
123 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
124 85 90 95
125 Ala Arg Ala Asp Tyr Tyr Gly Ser Asp Tyr Val Lys Phe Asp Tyr Trp
126 100 105 110
127 Gly Gln Gly Thr Leu Val Thr Val Ser Ser
128 115 120
131 <210> SEQ ID NO: 8
132 <211> LENGTH: 107

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133 <212> TYPE: PRT
134 <213> ORGANISM: Artificial Sequence
136 <220> FEATURE:
137 <223> OTHER INFORMATION: VL domain of antibody 4D4 and 4D4 H2-1 D11
139 <400> SEQUENCE: 8
140 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
141 1 5 10 15
142 Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln His Val Gly Thr His
143 20 25 30
144 Val Thr Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
145 35 40 45
146 Tyr Ser Thr Ser Tyr Arg Tyr Ser Gly Val Pro Ser Arg Phe Ser Gly
147 50 55 60
148 Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
149 65 70 75 80
150 Glu Asp Phe Ala Thr Tyr Tyr Cys Gln His Phe Tyr Ser Tyr Pro Leu
151 85 90 95
152 Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
153 100 105
156 <210> SEQ ID NO: 9
157 <211> LENGTH: 122
158 <212> TYPE: PRT
159 <213> ORGANISM: Artificial Sequence
161 <220> FEATURE:
162 <223> OTHER INFORMATION: VH domain of antibody 4D4 H2-1 D11
164 <400> SEQUENCE: 9
165 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
166 1 5 10 15
167 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
168 20 25 30
169 Trp Ile Glu Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
170 35 40 45
171 Gly Glu Trp Leu Pro Gly Ser Gly Thr Thr Asn Tyr Asn Glu Lys Phe
172 50 55 60
173 Lys Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
174 65 70 75 80
175 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
176 85 90 95
177 Ala Arg Ala Asp Tyr Tyr Gly Ser Asp Tyr Val Lys Phe Asp Tyr Trp
178 100 105 110
179 Gly Gln Gly Thr Leu Val Thr Val Ser Ser
180 115 120
183 <210> SEQ ID NO: 10
184 <211> LENGTH: 17
185 <212> TYPE: PRT
186 <213> ORGANISM: Artificial Sequence
188 <220> FEATURE:
189 <223> OTHER INFORMATION: VH CDR2
191 <400> SEQUENCE: 10

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194 Gly
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200 <212> TYPE: PRT
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: VH CDR1
206 <400> SEQUENCE: 11
207 Gly Tyr Thr Phe Thr Tyr Tyr Trp Ile Glu
208 1          5          10
211 <210> SEQ ID NO: 12
212 <211> LENGTH: 13
213 <212> TYPE: PRT
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: VH CDR3
219 <400> SEQUENCE: 12
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221 1          5          10
224 <210> SEQ ID NO: 13
225 <211> LENGTH: 11
226 <212> TYPE: PRT
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: VL CDR1
232 <400> SEQUENCE: 13
233 Leu Ala Ser Gln His Val Gly Thr His Val Thr
234 1          5          10
237 <210> SEQ ID NO: 14
238 <211> LENGTH: 7
239 <212> TYPE: PRT
240 <213> ORGANISM: Artificial Sequence
242 <220> FEATURE:
243 <223> OTHER INFORMATION: VL CDR2
245 <400> SEQUENCE: 14
246 Gly Thr Ser Tyr Arg Tyr Ser
247 1          5
250 <210> SEQ ID NO: 15
251 <211> LENGTH: 122
252 <212> TYPE: PRT
253 <213> ORGANISM: Artificial Sequence
255 <220> FEATURE:
256 <223> OTHER INFORMATION: VH domain of antibody 4D4com-XF-9
258 <400> SEQUENCE: 15
259 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
260 1          5          10          15
261 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Tyr Tyr

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262          20          25          30
263 Trp Ile Glu Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
264          35          40          45
265 Gly Glu Trp Leu Pro Gly Ser Gly Thr Thr Asn Tyr Asn Glu Lys Phe
266          50          55          60
267 Lys Gly Arg Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Val Tyr
268 65          70          75          80
269 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
270          85          90          95
271 Ala Arg Ala Asp Tyr Tyr Gly Ser Asp His Val Lys Phe Asp Tyr Trp
272          100         105         110
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274          115         120
277 <210> SEQ ID NO: 16
278 <211> LENGTH: 107
279 <212> TYPE: PRT
280 <213> ORGANISM: Artificial Sequence
282 <220> FEATURE:
283 <223> OTHER INFORMATION: VL domain of antibody 4D4com-XF-9
285 <400> SEQUENCE: 16
286 Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly
287 1          5          10          15
288 Asp Arg Val Thr Ile Thr Cys Leu Ala Ser Gln His Val Gly Thr His
289          20          25          30
290 Val Thr Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile
291          35          40          45
292 Tyr Gly Thr Ser Tyr Arg Tyr Ser Gly Val Pro Ser Arg Phe Ser Gly
293          50          55          60
294 Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
295 65          70          75          80
296 Glu Asp Phe Ala Thr Tyr Tyr Cys Gln His Phe Tyr Asp Tyr Pro Leu
297          85          90          95
298 Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys
299          100         105
302 <210> SEQ ID NO: 17
303 <211> LENGTH: 122
304 <212> TYPE: PRT
305 <213> ORGANISM: Artificial Sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: VH domain of antibody 4D4com-2F9
310 <400> SEQUENCE: 17
311 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
312 1          5          10          15
313 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
314          20          25          30
315 Trp Ile Glu Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
316          35          40          45
317 Gly Glu Trp Leu Pro Gly Ser Gly Thr Thr Asn Tyr Asn Glu Lys Phe
318          50          55          60

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VERIFICATION SUMMARY

DATE: 03/06/2007

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TIME: 16:39:46

Input Set : E:\SEQLIST 10271-112-999 (subs).TXT

Output Set: N:\CRF4\03062007\J823253A.raw